



PCT

RAW SEQUENCE LISTING

DATE: 05/28/2004

PATENT APPLICATION: US/10/050,000B

TIME: 15:37:18

Input Set : A:\2004-04-16 0365-0529P.ST25.txt

Output Set: N:\CRF4\05282004\J050000B.raw

3 <110> APPLICANT: NAKARI-SETALA, Tiina

5 <120> TITLE OF INVENTION: A METHOD FOR DECREASING THE FOAM FORMATION DURING CULTIVATION OF A

6 MICROORGANISM

8 <130> FILE REFERENCE: 0365-0529P

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/050,000B

11 <141> CURRENT FILING DATE: 2002-02-20

13 <160> NUMBER OF SEQ ID NOS: 8

15 <170> SOFTWARE: PatentIn Ver. 2.1

17 <210> SEQ ID NO: 1

18 <211> LENGTH: 2868

19 <212> TYPE: DNA

20 <213> ORGANISM: Trichoderma reesei

22 <220> FEATURE:

23 <221> NAME/KEY: gene

24 <222> LOCATION: (1523)..(1950)

25 <223> OTHER INFORMATION: hfb1

27 <400> SEQUENCE: 1

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 30 cgtatcccat tgctgggctg aaagcttcac acgtatcgca taagcgtctc caaccagtg 180
 31 ttaggtgacc cttaaggata cttacagtaa gactgtatta agtcagtcac tctttcactc 240
 32 gggctttgaa tacgatcctc aatactcccg ataacagtaa gaggatgata cagcctgcag 300
 33 ttggcaaatg taagcgtaat taaactcagc tgaacggccc ttgttgaaag tctctctcga 360
 34 tcaaagcaaa gctatccaca gacaagggtt aagcaggctc actcttccta cgccttggat 420
 35 atgcagcttg gccagcatcg cgcattggcca atgatgcacc cttcacggcc caacggatct 480
 36 cccgttaaac tccctgttaa cttggcatca ctcattctgtg atcccaacag actgagttgg 540
 37 gggctgcggc tggcggatgt cggagcaaa gatcacttca agagcccaga tccgggttgg 600
 38 ccattgccaa tggatctaga ttcggcacct tgatctcgat cactgagaca tgggtgagttg 660
 39 cccggacgca ccacaactcc ccctgtgtca ttgagtcctc atatgcgtct tctcagcgtg 720
 40 caactctgag acggattagt cctcacgatg aaattaactt ccagcttaag ttctgagcct 780
 41 tgaatgagtg aagaaatttc aaaaacaaac tgagtagagg tcttgagcag ctggggtgg 840
 42 acgcccctcc tgcactcttg ggacatcgta cggcagagaa tcaacggatt cacacctttg 900
 43 ggtcgagatg agctgatctc gacagatacg tgcttcacca cagctgcagc tacctttgcc 960
 44 caaccattgc gttccaggat cttgatctac atcacgcag caccgcagcc aggacggaga 1020
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 46 cctgatatta gatatccacc tgggtgattg ccattgcaga gaggtggcag ttggtgatac 1140
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 53 cacaaccacc atcttcttca aaatgaagtt cttcgccatc gccgtctctt ttgccgcgcg 1560

ENTERED

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55 cctcttcagc aacccccagt gctgtgccac ccaagtcctt ggccctcatcg gccttgactg 1680
56 caaagtcctg aagttgagcc ataacataag aatcctcttg acggaaatat gcctttctcac 1740
57 tcctttaccc ctgaacagcc tcccagaacg tttacgacgg caccgacttc cgcaacgtct 1800
58 gcgcaaaaac cggcgccccag cctctctgct gcgtggcccc cggttgtaagt tgatgcccc 1860
59 gctcaagctc cagtcttttg caaacccatt ctgacaccca gactgcaggc cggccagggt 1920
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66 gtgttaggat taggtcgaa gttgaagtgt atacaggatc gtctggcaac ccacggatcc 2340
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68 ttcagctgat atccacgcca atgatacagc gatatactc caatatctgt gggaacgaga 2460
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71 caaatcatca gctctcatta tcgcctaacc cacagattgt ttgccgtccc ccaactccaa 2640
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74 tgagataata catgaaaagc acaacggaaa cgaaagaacc agggaaaaga taaatctatc 2820
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85 <222> LOCATION: (1191)..(1593)

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91 <223> OTHER INFORMATION: n = a, c, t, g, unknown, or other

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96 <223> OTHER INFORMATION: n = a, c, t, g, unknown, or other

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103 <400> SEQUENCE: 2

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106 cgctttgtat tattagagta tatgcaagtc tcaggactat cgactcaact ctaccaccg 180
107 aggacgatcg cggcagcata cgccctcggt ctcatggccc caagcagacc aactgcccct 240
108 ggagcaagat tcagcccaag ggagatggac ggcagggcac gccaggcccc caccaccaag 300
109 ccactccctt tggccaaatc agcttgcagt tcaagagaca tcgagctgtg ctttgaaatt 360

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112 aatgtcacat ccgagtcttg gggcctctgt gagaatgtcc agagtaatac gtgttttgcg 540
113 aatagtcctc tttcttgagg actggatacc tacgataccc tttttgagtt gatgcggtgc 600
114 tttcgaagta ttatctggag gatagaagac gtctaggtaa ctacacaaaa ggccataact 660
115 ttggggagta gcccacgaa aggtaactcc tacggcctct tagagccgtc atagatccta 720
116 cagcctcttg gagcgtcat agatcacatc tgtgtagacc gacattctat gaataatcat 780
117 ctcatcatgg ccacatacta ctacatacgt gtctctgcct acctgacatg tagcagtggc 840
118 caagacacca agggcccagc atcaagcctc cctacctatc ccttccattg tacagcggca 900
119 gagagattgc gatgagccct ctccctacct acagacggct gacaatgtcc gtataccacc 960
120 agccaacgtg atgaaaacaa ggacatgagg aacagcctgc gagagctgga agatgaagag 1020
121 ggccagaaaa aaaagtataa agaagacctc gattcccgcc atccaacaat cttttccatc 1080
122 ctcatcagca cactcatcta caacctcac cacattcact caactcctct ttctcaactc 1140
123 tccaaacaca aacattcttt gttgaatacc aacctcacc acctttcaag atgcagttct 1200
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137 cacaagtata gcagtatctc atctgatctg catctgggta aatgtcgcca ctctacctag 2040
138 gtacccaata aataccgaat tggtcagctc tcgggtgaca aaccggcccg cttttcgacc 2100
139 gtgctctgtc caattctagg cttgtcaatg gttcctgact gtgataaacc ttggagctan 2160
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154 gcgtactgac atttctagga gcctttactg tggttttggc gacaattgca agtatcttca 3060
155 cgcgagagaa gacctcaagg caggctggca gctggatcaa gaggggaaa aggtcaccaa 3120
156 gggcaagaag aacctggggg gaacggtagt ggccagcgcg aaccggaaca aggccagggt 3180
157 ggacgagggc gacgacgacg acgacgaaga ggcgatgctc gagaacattc cgtttgcctg 3240
158 catcatctgc agggaatcgt acaaggagcc gattgtgacg aggtgcgggc actacttttg 3300

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159 cctgccgtgc gctctgcagc ggtacaagaa ggatccgacg tgtgcggcgt gtggctcggg 3360
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161 gagggcggcc aggaggagac aggaggcgat agagaggggc gaggaagtca gtgatgaaga 3480
162 ggaggaggag gaggaggact gatgatgatg gggcnagatg acgatgcagg tcgactctag 3540
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169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence: 5' primer
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180 <211> LENGTH: 30
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182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
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192 <211> LENGTH: 13
193 <212> TYPE: PRT
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
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201 1 5 10
204 <210> SEQ ID NO: 6
205 <211> LENGTH: 14
206 <212> TYPE: PRT
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
212 <400> SEQUENCE: 6
213 Gly Thr Leu Val Pro Arg Gly Pro Ala Glu Val Asn Leu Val
214 1 5 10
217 <210> SEQ ID NO: 7
218 <211> LENGTH: 48
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence: 5'primer
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229 <210> SEQ ID NO: 8

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230 <211> LENGTH: 34

231 <212> TYPE: DNA

232 <213> ORGANISM: Artificial Sequence

234 <220> FEATURE:

235 <223> OTHER INFORMATION: Description of Artificial Sequence: 3'primer

237 <400> SEQUENCE: 8

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34

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/28/2004
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1917,2160,3515

VERIFICATION SUMMARY

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Input Set : A:\2004-04-16 0365-0529P.ST25.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:89 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:94 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:99 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1860
M:341 Repeated in SeqNo=2